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AMENDMENTS TO THE CLAIMS:

1. (currently amended): A radio communication system comprising a base station transmitting radio signals having different ~~waveform~~ waveforms of multiplexed signals varying according to a number of multiplexes in said multiplexed signal and a terminal station for making radio communications with said base station,

said base station including:

a compensation parameter generating section for generating a compensation parameter needed for compensating for a possible error in detection of a received signal, occurring in said terminal station stemming from ~~[[a]]~~ said difference in transmission signal waveform to be transmitted to said terminal station; and

a transmitting section for transmitting said compensation parameter generated by said compensation parameter generating section, to said terminal station,

said terminal station including:

a received signal strength detecting section for detecting a received signal strength of a transmission signal from said base station through the use of a required amplifier; and

a received signal strength compensating section for compensating for, on the basis of said compensation parameter from said base station, the error in the received signal strength detection in said received signal strength detecting section, occurring according to the difference in said transmitted transmission signal waveform.

2. (currently amended): A radio communication system ~~according to claim 1,~~ comprising a base station transmitting radio signals having different waveforms and a terminal station for making radio communications with said base station,

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said base station including:

a compensation parameter generating section for generating a compensation parameter needed for compensating for a possible error in detection of a received signal, occurring in said terminal station stemming from a difference in transmission signal waveform to said terminal station; and

a transmitting section for transmitting said compensation parameter generated by said compensation parameter generating section, to said terminal station,

said terminal station including:

a received signal strength detecting section for detecting a received signal strength of a transmission signal from said base station through the use of a required amplifier; and
a received signal strength compensating section for compensating for, on the basis of said compensation parameter from said base station, the error in the received signal strength detection in said received signal strength detecting section, occurring according to the difference in transmission signal waveform,

wherein, in a case in which said radio communication node is a code division multiple access communication node and a waveform of a multiplexed signal to be transmitted to said terminal station varies according to the number of multiplexes in said multiplexed signal,

said compensation parameter generating section of said base station includes:

a multiplex number detecting section for detecting information on the number of multiplexes in a transmission multiplexed signal to said terminal station;

a first correction memory section for previously storing a correction quantity on a received signal strength indicator on the basis of a difference in number of multiplexes of said transmission multiplexed signal; and

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a first memory control section for reading out, from said first correction memory section, a correction quantity corresponding to said information on the number of multiplexes detected by said multiplex number detecting section as said compensation parameter for said terminal station, and

said received signal strength compensating section of said terminal station includes:

a correction quantity receiving section for receiving said correction quantity from said base station; and

a first detected signal strength correcting section for correcting said received signal strength, detected by said received signal strength detecting section, according to said correction quantity received by said correction quantity receiving section.

3. (currently amended): A radio communication system ~~according to claim 1, comprising~~
a base station transmitting radio signals having different waveforms and a terminal station for
making radio communications with said base station.

said base station including:

a compensation parameter generating section for generating a compensation
parameter needed for compensating for a possible error in detection of a received signal,
occurring in said terminal station stemming from a difference in transmission signal waveform to
said terminal station; and

a transmitting section for transmitting said compensation parameter generated by
said compensation parameter generating section, to said terminal station.

said terminal station including:

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a received signal strength detecting section for detecting a received signal strength of a transmission signal from said base station through the use of a required amplifier; and a received signal strength compensating section for compensating for, on the basis of said compensation parameter from said base station, the error in the received signal strength detection in said received signal strength detecting section, occurring according to the difference in transmission signal waveform,

wherein, in a case in which said radio communication node is a code division multiple access communication node and a waveform of a multiplexed signal to be transmitted to said terminal station varies according to the number of multiplexes in said multiplexed signal,

said compensation parameter generating section of said base station includes:

a multiplex number detecting section for detecting information on the number of multiplexes of a transmission multiplexed signal to said terminal station as a compensation parameter for said terminal station, and

said received signal strength indicator compensating section of said terminal station includes:

a multiplex number receiving section for receiving said information on the number of multiplexes from said base station;

a second correction memory section for previously storing a correction quantity on a received signal strength on the basis of a difference in number of multiplexes in said transmission signal;

a second memory control section for reading out a correction quantity corresponding to said information on the number of multiplexes, received by said multiplex number receiving section, from said second correction memory section; and

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a second detected signal strength correcting section for correcting said received signal strength, detected by said received signal strength detecting section, according to said correction quantity read out by said second memory control section.

4. (currently amended): A radio-communication system ~~according to claim 1~~, comprising a base station transmitting radio signals having different waveforms and a terminal station for making radio communications with said base station,

said base station including:

a compensation parameter generating section for generating a compensation parameter needed for compensating for a possible error in detection of a received signal occurring in said terminal station stemming from a difference in transmission signal waveform to said terminal station; and

a transmitting section for transmitting said compensation parameter generated by said compensation parameter generating section, to said terminal station,

said terminal station including:

a received signal strength detecting section for detecting a received signal strength of a transmission signal from said base station through the use of a required amplifier; and a received signal strength compensating section for compensating for, on the basis of said compensation parameter from said base station, the error in the received signal strength detection in said received signal strength detecting section, occurring according to the difference in transmission signal waveform,

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wherein, in a case in which said radio communication node is a code division multiple access communication node and a waveform of a multiplexed signal to be transmitted to said terminal station varies according to the number of multiplexes in said multiplexed signal,

said compensation parameter generating section of said base station includes:

a multiplex number detecting section for detecting information on the number of multiplexes of a transmission multiplexed signal to said terminal station as said compensation parameter, and

said received signal strength compensating section of said terminal station includes:

a multiplex number receiving section for receiving said information on the number of multiplexes from said base station; and

a third detected signal strength correcting section for correcting a received signal strength detected by said received signal strength detecting section on the basis of said information on the number of multiplexes received by said multiplex number receiving section (232e) through the use of a predetermined arithmetic operation.

5. (previously presented): A radio communication system according to claim 1, wherein, in a case in which each of said base station and said terminal station conforms to a plurality of types of modulation modes and a waveform of said transmission signal varies according to said modulation modes,

said compensation parameter generating section of said base station is designed to generate information on a modulation mode for said transmission signal as said compensation parameter, and

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said received signal strength compensating section of said terminal station is designed to correct an error in detection of a received signal strength, which occurs according to a difference in transmission signal modulation mode due to an input-waveform-dependent input-output characteristic of said amplifier, on the basis of said information on transmission signal modulation mode from said base station.

6. (currently amended): A received signal strength compensating method for use in a radio communication system comprising a base station transmitting radio signals having different ~~waveform~~ waveforms of multiplexed signals varying according to a number of multiplexes in said multiplexed signal and a terminal station for making radio communications with said base station, the method comprising:

broadcasting a compensation parameter needed for compensating for a possible error in detection of a received signal, occurring in said terminal station stemming from ~~[[a]]~~ said difference in waveform of a transmission signal from said base station to said terminal station; and

in said terminal station, detecting a received signal strength of said transmission signal through the use of a required amplifier, and compensating for, on the basis of said compensation parameter broadcasted from said base station, the error in the received signal strength detection occurring according to the difference in said transmitted transmission signal waveform.

7. (currently amended): A base station for use in a radio communication system, said base station making radio communications with a terminal station by radio signals having different ~~waveform~~ waveforms of multiplexed signals varying according to a number of multiplexes in said multiplexed signal, comprising:

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a compensation parameter generating section for generating a compensation parameter needed for compensating for a possible error in detection of a received signal strength, occurring in said terminal station stemming from [[a]] said difference in transmission signal waveform to said terminal station; and

a transmitting section for transmitting said compensation parameter generated by said compensation parameter generating section, to said terminal station.

8. (currently amended): A base station for use in a radio communication system, said base station making radio communications with a terminal station by radio signals having different waveform, comprising: according to claim 7,

a compensation parameter generating section for generating a compensation parameter needed for compensating for a possible error in detection of a received signal strength, occurring in said terminal station stemming from a difference in transmission signal waveform to said terminal station; and

a transmitting section for transmitting said compensation parameter generated by said compensation parameter generating section, to said terminal station,

wherein, in a case in which said radio communication method is a code division multiple access communication method and a waveform of a multiplexed-signal to be transmitted to said terminal station varies according to the number of multiplexes in said multiplexed signal, said compensation parameter generating section includes:

a multiplex number detecting section for detecting information on the number of multiplexes in a transmission multiplexed signal to said terminal station;

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a first correction memory section for previously storing a correction quantity on a received signal strength on the basis of a difference in number of multiplexes of said transmission multiplexed signal; and

a first memory control section for reading out, from said first correction memory section, a correction quantity corresponding to said information on the number of multiplexes detected by said multiplex number detecting section as said compensation parameter for said terminal station.

9. (currently amended): A base station for use in a radio communication system, said base station making radio communications with a terminal station by radio signals having different waveform, comprising: according to claim 7,

a compensation parameter generating section for generating a compensation parameter needed for compensating for a possible error in detection of a received signal strength, occurring in said terminal station stemming from a difference in transmission signal waveform to said terminal station; and

a transmitting section for transmitting said compensation parameter generated by said compensation parameter generating section, to said terminal station,

wherein, in a case in which said radio communication node is a code division multiple access communication node and a waveform of a multiplexed signal to be transmitted to said terminal station varies according to the number of multiplexes in said multiplexed signal, said compensation parameter generating section includes:

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a multiplex number detecting section for detecting information on the number of multiplexes of a transmission multiplexed signal to said terminal station as a compensation parameter for said terminal station.

10. (currently amended): A base station for use in a radio communication system, said base station making radio communications with a terminal station by radio signals having different waveform, comprising: according to claim 7,

a compensation parameter generating section for generating a compensation parameter needed for compensating for a possible error in detection of a received signal strength, occurring in said terminal station stemming from a difference in transmission signal waveform to said terminal station; and

a transmitting section for transmitting said compensation parameter generated by said compensation parameter generating section, to said terminal station,

wherein, in a case in which said radio communication node is a code division multiple access communication node and a waveform of a multiplexed signal to be transmitted to said terminal station varies according to the number of multiplexes in said multiplexed signal, said compensation parameter generating section includes:

a multiplex number detecting section for detecting information on the number of multiplexes of a transmission multiplexed signal to said terminal station as a compensation parameter for said terminal station.

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11. (previously presented): A base station for use in a radio communication system according to claims 8, wherein a plurality of transmission data generating sections are provided to generate transmission data to be multiplexed as said transmission multiplexed signal, and said multiplex number detecting section includes:

an enable signal counting section for counting the number of enable signals for said transmission data generating sections to detect said information on the number of multiplexes.

12. (previously presented): A base station for use in a radio communication system according to claim 11, wherein said plurality of transmission data generating sections are separated into a plurality of groups,

said enable signal counting is provided for each of said groups to count the number of enable signals in units of said groups, and

an adding section is provided to add up the count results in said enable signal counting sections for output said information on the number of multiplexes.

13. (previously presented): A base station for use in a radio communication system according to claim 11, wherein said enable signal counting section uses each of said enable signals for said plurality of transmission data generating sections as a read address signal, and

a multiplex number detection memory section is provided which previously stores said information on the number of multiplexes in an address area corresponding to said read address signal.

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14. (previously presented): A base station for use in a radio communication system according to claim 7, wherein, in a case in which each of said base station and said terminal station conforms to a plurality of types of modulation modes and a waveform of said transmission signal varies according to said modulation modes,

said compensation parameter generating section is designed to generate information on a modulation mode for said transmission signal as said compensation parameter.

15. (currently amended): A terminal station for use in a radio communication system, said terminal station making radio communications with a base station, comprising:

a received signal strength detecting section for detecting a received signal strength of a transmission signal from said base station through the use of a required amplifier; and

a received signal strength compensating section for compensating for, on the basis of a compensation parameter needed for compensation for a possible error in detection of a received signal strength occurring due to a difference in ~~waveform~~ waveforms of multiplexed signals varying according to a number of multiplexes in said multiplexed signal of said transmission signal and generated in said base station and transmitted therefrom, the error in the received signal strength detection in said received signal strength detecting section, occurring according to the difference in the transmission signal waveform.

16. (currently amended): A terminal station for use in a radio communication system ~~according to claim 15, said terminal station making radio communications with a base station,~~
comprising:

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a received signal strength detecting section for detecting a received signal strength of a transmission signal from said base station through the use of a required amplifier; and
a received signal strength compensating section for compensating for, on the basis of a compensation parameter needed for compensation for a possible error in detection of a received signal strength occurring due to a difference in waveform of said transmission signal and generated in said base station and transmitted therefrom, the error in the received signal strength detection in said received signal strength detecting section, occurring according to the difference in the transmission signal waveform,

wherein, in a case in which said radio communication node is a code division multiple access communication node and a waveform of a multiplexed signal to be transmitted from said base station varies according to the number of multiplexes in said multiplexed signal, with a received signal strength correction quantity to be taken according to a difference in the number of multiplexes in said transmission multiplexed signal being transmitted as said compensation parameter from said base station,

said received signal strength compensating section includes:

a correction quantity receiving section for receiving said correction quantity from said base station; and

a first detected signal strength correcting section for correcting said received signal strength, detected by said received signal strength detecting section, according to said correction quantity received by said correction quantity receiving section.

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17. (currently amended): A terminal station for use in a radio communication system according to claim 15, said terminal station making radio communications with a base station, comprising:

a received signal strength detecting section for detecting a received signal strength of a transmission signal from said base station through the use of a required amplifier; and
a received signal strength compensating section for compensating for, on the basis of a compensation parameter needed for compensation for a possible error in detection of a received signal strength occurring due to a difference in waveform of said transmission signal and generated in said base station and transmitted therefrom, the error in the received signal strength detection in said received signal strength detecting section, occurring according to the difference in the transmission signal waveform,

wherein, in a case in which said radio communication node is a code division multiple access communication node and a waveform of a multiplexed signal to be transmitted from said base station varies according to the number of multiplexes in said multiplexed signal, with information on the number of multiplexes in said transmission multiplexed signal being transmitted as said compensation parameter from said base station,

said received signal strength compensating section includes:

a multiplex number receiving section for receiving said information on the number of multiplexes from said base station;

a second correction memory section for previously storing a correction quantity on a received signal strength on the basis of a difference in number of multiplexes in said transmission signal;

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a second memory control section for reading out a correction quantity corresponding to said information on the number of multiplexes, received by said multiplex number receiving section, from said second correction memory section; and

a second detected signal strength correcting section for correcting said received signal strength, detected by said received signal strength detecting section, according to said correction quantity read out by said second memory control section.

18. (currently amended): A terminal station for use in a radio communication system ~~according to claim 15, said terminal station making radio communications with a base station,~~
comprising:

a received signal strength detecting section for detecting a received signal strength of a transmission signal from said base station through the use of a required amplifier; and

a received signal strength compensating section for compensating for, on the basis of a compensation parameter needed for compensation for a possible error in detection of a received signal strength occurring due to a difference in waveform of said transmission signal and generated in said base station and transmitted therefrom, the error in the received signal strength detection in said received signal strength detecting section, occurring according to the difference in the transmission signal waveform,

wherein, in a case in which said radio communication node is a code division multiple access communication node and a waveform of a multiplexed signal to be transmitted from said base station varies according to the number of multiplexes in said multiplexed signal, with information on the number of multiplexes in said transmission multiplexed signal being transmitted as said compensation parameter from said base station,

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said received signal strength compensating section includes:

a multiplex number receiving section for receiving said information on the number of multiplexes from said base station; and

a third detected signal strength correcting section for correcting a received signal strength detected by said received signal strength detecting section on the basis of said information on the number of multiplexes received by said multiplex number receiving section through the use of a predetermined arithmetic operation.

19.(previously presented): A terminal station for use in a radio communication system according to claim 15, wherein, in a case in which said base station conforms to a plurality of types of modulation modes and a waveform of said transmission signal varies according to said modulation modes, with said base station being made to generate information on a modulation mode for said transmission signal as said compensation parameter,

said received signal strength compensating section is made to compensate for an error in received signal strength detection occurring due to a difference in modulation mode for said transmission signal stemming from an input-waveform-dependent input-output characteristic of said logarithmic amplifier, on the basis of said information on the modulation mode for said transmission signal from said base station.